

CZECHOSLOVAKIA

CERNIK, K.; Bioveta, National Enterprise (n.p.), Nitra.

"Influence of Temperature on Hemagglutination Activity of Some NDV Strains - . I. The Possibility of a Characterization of Strains of Differing Virulence by Means of Thermal Inactivation."

Prague, Veterinarni Medicina, Vol 11, No 5, May 66, pp 321 - 328

Abstract [Author's English summary modified]: Resistance of hemagglutinin to 56°C was investigated. The rate of infection transmission at this temperature in 3 lentogenic, 4 mesogenic, and 2 velogenic NDV strains indicated that thermal stability may be used to differentiate between virulent and non-virulent strains. Lentogenic strains cannot be distinguished from mesogenic ones by this method. HA activity of lentogenic and mesogenic strains is inactivated at 56°C within 4 to 8 minutes, velogenic strains remain active for 60 - 120 minutes. 4 Figures, 31 Western, 5 Russian references. (Manuscript received 30 Dec 65).

1/1

CERNIK, Karol, inz.

Measurement of piezoceramic disk resonators and calculation of values of their electric equivalent circuit elements. El tech cas 15 no.5:257-273 '64.

1. Technical assistant at the Chair of Weak-Current and High-Frequency Electrical Engineering, Slovak Higher School of Technology, Bratislava, Vazova 1/b.

L 60060-65 EPA(s)-2/EEC(k)-2/EWT(1) Pt-7 IJP(c)

ACCESSION NR: AP5021042

GZ/0042/64/000/018/0468/0484

AUTHOR: Gernik, Karol (Engineer, Assistant)

21
B

TITLE: Graphic and calculation method of investigating the frequency dependence of the impedance of a dipole electromechanic unit

SOURCE: Electrotechnicky časopis, no. 8, 1964, 468-484

TOPIC TAGS: electric impedance, electric equipment, piezoelectricity, graphic technique

ABSTRACT: Two methods are described concerning the impedance of piezoelectric and piezomagnetic units. Differences between the two representation methods and resulting differences in determining the impedance characteristic are given. Orig. art. has: 17 figures, 17 formulas.

ASSOCIATION: Katedra slaboprudovej a vysokofrekvencnej elektrotechniky, Bratislava (Department of Electronic and High-Frequency Electrical Engineering)

SUBMITTED: 05Sep63

ENCL: 00

SUB CODE: EE, MA

NR REF SOV: 000

OTHER: 001

JPRS

Card

718
1/1

GERNIK, L.; DOAN HONG-HOA; VU DINH-HAI; TOMSIKOVA, A.; PHAM VAN-NONG;
VIMOLA, F.

Effect of mycotic flora on bronchial asthma in tropical conditions.
Gas. lek. cesk. 102 no.48:1313-1322 29 N '63.

1. Interni lekarske fakulty KU v Pizni, prednosta prof. dr. K.
Bobek.

+

CERNIK, Ladislav; HO TAN-PHI; DOAN HONG-HOA; SERY, Vladimir; PHAM VAN-NONG

Syndrome of so-called major alimentary anaphylaxis in hypersensitivity to *Dandida tropicalis*. Cas.lek.cesk 99 no.32/33:1023-1028 12 Ag '60.

1. Klinikachorob' vnitřnich fakulty všeobecného lékařství KU se sídlem v Plzni, přednosta prof. MUDr. Karel Bobek, vnitřní oddělení Čs. nemocnice v Hai-phongu, VDR, přednosta MUDr inz. M.Rezehnal, mikrobiologické oddělení Čs. nemocnice v Hai-phongu, VDR, přednosta MUDr Vl.Sery, Ústav epidemiologie a mikrobiologie v Praze, ředitel prof. MUDr. K.Raska

(ALLERGY etiol.)

(MONILLIASIS compl.)

CZECHOSLOVAKIA

L. CEENIK, Internal Medicine Clinic of Medical Faculty of Charles University (Klinika chorob vnitřních lékařské fakulty KU [Karlova University] ,) Head (prednosta) Prof Dr K. BOBEK, Plzeň; and Department of Internal Medicine of the Hospital of Vietnamese-Czechoslovak Friendship, Hai-Phong, Vietnamese Peoples' Republic.

"Some Manifestations of Allergy in the Tropics."

Prague, Casopis Lékaru Ceskych, Vol 102, No 7, 15 Feb 63; pp 25-31 of separately paginated "Medical Science Abroad" (Lékařská věda v zahraničí.)

Abstract: Review of literature on parasitic allergies, skin tests in parasitology; diagnostic significance and evaluation of eosinophilia; course of eosinophilia in some parasitic infestations; Herxheimer type of drug allergy; food allergy; mycoses and bronchial asthma in the tropical countries. Seven Czech, 1 Soviet, 1 Chinese, 23 Western refs.

~~CERNIK, L.~~; BARCAL, R.; MATOUSEK, J.; HO TAN-PHI; DOAN HONG-HOA; NGUYEN DUY-VAN

Bronchial asthma under the climatic conditions of North Vietnam.
Vnitřní lek. 11 no.10:940-946 O '65.

1. Klinika chorob vnitřních (prednosta prof. dr. K. Bobek [deceased])
a fyzikalni ustav (prednosta doc. dr. M. Petran) lekarske fakulty
University Karlovy se sidlem v Plzni a vnitřni oddelení Nemocnice
vietnamsko-ceskoslovenskeho pratelstvi v Haiphongu, VDR.

RUDINGER, J.; KRUPICKA, J.; ZAORAL, M.; CERNIK, V.

Amino acids and peptides. XXX. Alkaline hydrolysis of the phthalimido group in phthalylamino acids and their derivatives; a polarographic study. Coll Cz Chem 25 no.12:3338-3343 D '60.

(EEAI 10:9)

1. Department of Organic Synthesis, Institute of Chemistry, Czechoslovak Academy of Science, Prague. 2. Present address: Faculty of Nuclear Physics, Charles University, Prague (for Cernik).

(Amino acids) (Peptides) (Phthalimide)
(Phthalyl amino acids) (Polarograph and polarography)

CERNIK, VACLAV.

CZECHOSLOVAKIA / Cultivated Plants. Fruits. Berries.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34800

Author : Cernik, Vaclav.

Inst : ~~Not given~~

Title : Concerning the Problems of Trimming and Train-
ing of Fruit Trees.

Orig Pub : Sbor. Czeskosl. akad. zemed. ved. Restl. vyroba,
1956, 29, 75, 452-481

Abstract : The present methods of trimming and forming of
fruit trees in Czechoslovakia are described.

Card 1/1

115

CERNIKI, B.

Methorics of the precipitation processes. XIII. Study of the precipitation of sparingly soluble metal fluorides. In English.

P. 175. (Croatica Chemica Acts. Vol. 28, no. 3, 1956, Zagreb, Yugoslavia)

Monthly Index of East European Accessions (EEAI) L.C. V1. 7, no. 2,
February 1958

Microbiology

CZECHOSLOVAKIA

CERNIK, K.; CERNIKOVA, E.; Bioveta National Enterprise (n.p.), Nitra.

The Influence of Temperature on the Hemagglutination Activities and Infectivity of Some Strains of the Newcastle Disease Virus. II. Changes in the Hemagglutinability and Infectivity of the Virus in the Course of Storage at Different Temperatures."

Prague, Veterinarni Medicina, Vol 13, No 2, Feb 67, pp 83-92

Abstract [Authors' English summary modified]: The infectivity of lentogenic, mesogenic, and vologenic strains of the NDV in allanto-amniotic fluids decreases at 37°C within 30 days by $10^{2.2}$ - $10^{6.6}$ TCID₅₀ / 0.1 ml (Tissue Culture Infection Dose). The steepest decrease is in the first 10 days. Hemagglutination titres of lentogenic and mesogenic strains decreased irregularly, but complete loss of activity does not occur. Storing NDV strains at -15° to -20°C reduces its infectivity; at +4°C the hemagglutination activity does not change during 6 months, and infectivity decreases only insignificantly. 4 Figures, 16 Western, 2 Czech, 1 Polish reference. (Manuscript received 8 Jun 66).

CERNIKOVA, H.

New regulation on transportation of radioactive substances in the
Soviet Union. Jaderna energie 6 no.4:143 Ap '60.

HORACEK, J.; GERNIKOVA, M.

Contribution to the analysis of the lipid content of human skin oils.
Cesk. dermat. 34 no.2/3:88-92 Ap '59.

1. Laborator biochemie kuze lekarske fakulty MU v Brne, reditel prof.
Antonin Tryb, doktor lekarskych ved.

(SKIN metab) (LIPIDS metab)

CERNIKOVA, M.

On the problem of the presence and role of sterol fractions in human skin. *Cesk. dermat.* 39 no.2:104-108 Ap'64

1. Laborator biochemie kuze pri dermato-venerologicke katedre lekarske fakulty UJEP v Brne; vedouci: prof.dr.J.Horacek.

*

GERNIL, B., inz.

Connection of generator transistor regulators. Automatizace
6 no.10:261-262 0 '63.

CERNIK, R.

Production in private supplementary economic enterprises of
members of collective farms. p. 435. SBORNIK, RADA ZEMEDLSKA
EKONOMIKA. Praha. Vol. 28, no. 6, Dec. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 7, July 1957.

CERNIN, R.

Development of the production on private supplementary plots of collective-farm members. p.19.
(Beseda Venkovske Rodiny, Vol. 30, No. 1, Feb. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No.9, Sept. 1957. Uncl.

CERNJAVSKI, P.

Yugoslavia (430)

Science

Beech forests in Yugoslavia, p. 85.
ZBORNIK RADOVA, Vol. 2, no. 1, 1950.

East European Accessions List, Library of Congress,
Vol. 1, no. 14, Dec. 1952. UNCLASSIFIED.

CERNJAVSKI, P.

GDR/Forestry - Tree Biology and Typology.

K.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95817

Author : Cernjavski, P., Marinov, M.

Inst : "

Title : Forest Typology at Work with Forest Management in the Bulgarian People's Republic.

Orig Pub : Forst und Jagd, 1957, T. No 12, 532-535

Abstract : In Bulgaria, the forester often has dealings with nonforested areas (burns, eroded areas, sandy deposits, etc.). Forest raising is possible in these areas with the careful study of local growths with subsequent transfer to the corresponding forest types. In recent years, a Soviet-Bulgarian scientific expedition worked in Bulgaria with the aim of providing the basis for future detailed study of forest types. Investigations were conducted in the conifer forests of the western Rhodope Mountains and in the beech forests of the Balkans. In the Rhodopes at a

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GDR/Forestry - Tree Biology and Typology.

K.

Abstr J ur : Ref Zhur - Biol., No 21, 1958, 95817

height of 1400-2150 m, 7 types of spruce forests are very well marked (with bilberry, fern, red bilberry, sphagnum etc.). Characteristic of a great part of the spruce plots is the fact that they develop on dark-colored mountain forest soils without signs of leaching. Also, there were isolated 11 types of beech forests with (fescues, fern-scilla Bifolia L., bilberry and others), 2 types of pine forest (bilberry and red bilberry), and three types of mixed forests. The investigators paid special attention to the soil-protecting and water-preserving role of separate forest types. It is proposed to carry out a study of the forest typology in the mountain oak groves next year. -- L.P. Rysin.

Card 2/2

CERNOCH, A.; TESAR, J.

Analysis of deaths due to abortion and different diseases up to the 28th week of pregnancy in Czechoslovakian SSR from 1956 to 1961. Cesk. gyn. 28 no.1/2:95-102 F '63.

1. Gyn.-por. klin. UDL v Praze ... Ustav soud. lek. KU v Praze.
(MATERNAL MORTALITY) (ABORTION) (PREGNANCY TOXEMIAS)
(HEART DISEASES) (PREGNANCY ECTOPIC)

CERNOCH, A.

Analysis of death due to ectopic pregnancy in Czechoslovakian SSR
from 1956 to 1961. Cesk. gyn. 28 no.1/2:103-106 F '63.

1. Gyn. por. klin. UDL v Praze.

(PREGNANCY ECTOPIC)

(MATERNAL MORTALITY)

CERNICH, A.

Conduct of painless labor. Lek. listy 5:15-16 1 Aug. 50. p. 470-1

GLIL 19, 5, Nov., 1950

CERNOCH, A.

~~XXXXXXXXXXXXXXXXXXXX~~

Dystocia due to pelvic disproportions. Cesk.gyn. 15 no.11:751-
770 1950. (CLML 20:6)

1. Director of the State Faculty Maternity Hospital in Brno.

CERNOCH, A.

Clinical data on labor management. Bratisl.lek.listy 30 no.2:
149-165 F ' 50. (CJML 19:2)

1. Of the State Faculty Maternity Hospital in Brno (Director --
Ant.Cernoch, M.D.) and of the Obstetrical and Gynecological
Clinic (Head -- Prof. Ludvig Havlasek, M.D.) of Masaryk Univer-
sity.

CERNOCH, A.

Working capacity in gynecologic diseases. Lek. listy 6
no.14:420-425 15 July 1951. (CML 20:11)

1. State Faculty Hospital in Brno (Director -- Antonin
Cernah, M.D.).

CERNOCH, A.

Working capacity in pregnancy. Lek. listy 6 no.15:457-461
1 Aug 1951. (CIML 20:11)

1. Of the State Faculty Maternity Hospital in Brno (Head --
Antonin Cernah, M.D.).

CERNOCH, A.

Determination of working capacity in gynecological diseases. Cesk.
gyn. 17 no. 4:167-174 1952. (CLML 23:1)

1. Of the State Faculty Maternity Home (Director--A. Cernoch, M. D.)
in Brno.

CERNOCH, Antonin, MUDr

Effect of cesarean section on fetal mortality. Cesk. gyn. 19 no.4:
259-260 July 54.

1. III. por. gyn. odd., Brno.

(FETUS

mortal. in cesarean section, statist.)

(CESAREAN SECTION, statistics

fetal mortal.)

CERNOCH, Antonin, MUDr.

Pregnancy and the course of cervical cancer. Cesk. gyn. 21 no.
3:206-208 Apr 56.

1. III. por. gyn. oddeleni Krajske klinicke porodnice v Brne.
(CERVIX, UTERINE, neoplasms,
in pregn., spreading rate. (Cz))
(PREGNANCY, in various diseases,
cancer of cervix, eff. on spreading rate. (Cz))

CERNOCH, ANTONIN

CERNOCH, Antonin

Treatment of urinary incontinence in women with the aid of a
silon (nylon) net. Rozhl. chir. 35 no.8:495-497 Aug 56.

1. III. por. gyn. oddeleni Krajske klinicke porodnice v Brne.
(URINATION DISORDERS
incontinence in women, surg., use of nylon net (Cz))

CERNOCH, Antonin, Dr.; KOUKAL, Jan, Dr.

Relation between sexual behavior and social conditions in women. Cesk. gyn. 22/36 no.1-2:80-87 Feb 57.

1. III. por.-gyn. oddeleni Krajske klinicke porodnice v Brne.
(SEXUAL BEHAVIOR,
relation to social conditions in women (Cz))
(SOCIOLOGI,
relation between social conditions & sexual behavior
in women (Cz))

CERNOCZ, Antonin, MUDr.

Methods of health education for women. Cesk. gyn. 22[36] no. 6:399-405 June 57.

1. III. por. gyn. oddeleni Krajske klinicke nemocnice v Brne, porodista MUDr A. Cernoch.

(SEX EDUCATION
for women, methods (Cz))

PETER, R.; CERNOGH, A.; CHMELIK, V.; PADOVEO, J.; SEBEK, V.; SNAID, V.; VACHA, K.

Therapy of cervical changes as a method for the prevention of
malignant degeneration. Cesk. gyn. 24[38] no.7:527-530 S '59.
(CERVIX UTERI neopl.)

CERNOCH, Antonin, Doc.

Work-capacity in climacterium. *Cesk. gyn.* 25[39] no.1/2:35-39
Mr '60.

1. III. gyn.-por. oddeleni fakultni porodnice v Brne, prednosta
doc. dr. A. Cernoch.

(MENOPAUSE)

(DISABILITY EVALUATION)

HONTELA, Slavoj; CERNOCH, Antonin, doc.

Estrogen excess as a cause of secondary amenorrhea in puberty. Cesk.
gyn. 25[39] no.1/2:74-79 Mr '60.

1. Mpor.-gyn. odd. fak. nemocnice v Brne, prednosta doc. MUDr.
Antonin Cernoch.

(PUBERTY compl.)

(AMENORRHEA in adolescence)

(ESTROGENS)

HONTELA, Slavoj; CERNOCH, Antonin

Use of acetylcholine in hyperestrogenic amenorrhea and results of experiments with rats. *Cesk.gyn.*25[39] no.8:619-624 0'60.

1. III. *gyn.por.*oddeleni fakultni porodnice v Brne, prednosta doc. MUDr. Antonin Cernoch.

(AMENORRHEA exper)

(ESTROGENS pharmacol)

(ACETYLCHOLINE pharmacol)

CERNOCH, Antonin, doc.

Problems in artificial interruption of pregnancy. *Cesk.gyn.*25[39]
no.9:646-649 N '60.

1. III. *gyn.por.odd. KUNZ v Brne, prednosta doc.dr. Antonin Cernoch.*
(ABORTION THERAPEUTIC)
(ABORTION CRIMINAL)

CERNOCH, Antonin

The menstrual cycle and the work load. Cesk. gyn. 26[40] JI '61.

1. Gyn. por. klinika ODL v Praze-Podoli, prednosta doc. MUDr.

A.Cernoch. (MENSTRUATION) (INDUSTRIAL MEDICINE)

GERNOCH, Antonin, Doc.

Role of nursing in the transmission of infections. Cesk. gyn.
26[40] no.4:326 '61.

1. Gyn. por. klinika UDL, Praha-Podolf, predn. doc. Antonin Cernoch.

(BREAST FEEDING) (INFANT NEWBORN dis)

CERNOCH, A.; VOJTA, M.

A significant anniversary in care for women. Cesk. gyna. 26[40]
no.4:237-238 '61.

(GYNECOLOGY)

CERNOCH, ANTONIN, doc.

Sexual life and pregnancy. Cesk. gyn. 26[40] no.5:367-370 J. 1961.

1. Gyn. por. klin. UDL, Praha-Podoli, prednosta doc, dr. A.Cernoch.
(SEX BEHAVIOR) (PREGNANCY)

CERNOCH, A., doc.; LUKSCH, Fr.

On the problem of spreading of atypical cells in gynecological surgery of malignant tumors. *Cesk. gyn.* 27 [41] no.6/7:523-529 Ag '62.

1. Gyn.-por. klin. UDL v Praze, prednosta doc. dr. A. Cernoch
Vyzk. ustav endokrinol. v Praze, reditel. doc. dr. K. Silink.
(GYNECOLOGIC NEOPLASMS) (NEOPLASM METASTASIS)

GERNOCH, Antonin

Results and prospects of further education for gynecologists.
Cesk. gynek. 28 no.6:364-367 '63.

1. Gyn.-por. klin. UDL v Praze-Podoli, prednosta doc. dr.

A. Gernoch.

(GYNECOLOGY) (EDUCATION, MEDICAL, POSTGRADUATE)

CERNOCH, Antonin

1925-1980

Functions of the Gynecologico-Obstetrical Department of the
Postgraduate Medical Institute. Cesk. gynek. 28 no.6:396-401
'63.

1. Gyn.-por. klinika UDL v Praze-Podoli, prednosta doc. dr.
A. Cernoch.

(OBSTETRICS) (GYNECOLOGY)
(EDUCATION, MEDICAL, POSTGRADUATE)

CERNOCH, A.

Effect of work on women. Cesk. gynek. 28 no.7:499-500 S '63.

1. Gyn.-por. klin. UDL v Praze, prednosta doc. dr. A. Cernoch.
(WOMEN) (INDUSTRIAL MEDICINE) (MENS TRUATION)
(RADIATION PROTECTION) (OVARY) (MATERNAL WELFARE)
(ENVIRONMENTAL HEALTH)

KONECNA, D.; KLHUVKOVA, E.; SONEK, M.; CERNOCCH, A.

Menstruation disorders in women working with aromatic carbohydrates. Cesk. gynek. 28 no.7:504-508 S '63.

1. II gyn.-por. klin. lek. fak. UJEP v Brne, prednosta doc. dr. M. Uher, CSc. Oddeleni hyg. prace KHES v Brne, vedouci dr. K. Spazier Gyn.-por. klin. UDL v Praze, prednosta doc. dr. A. Cernoch.

(MENSTRUATION DISORDERS) (AIR POLLUTION)
(TOLUENE) (BENZENE) (ACETATES)

CERNOCH, A.; HNATEK, L. [deceased]; SRB, V.; TRNKA, V.; VOJTA, M.

Current problems of contraception in the Czechoslovakian SSR.
Cesk. gynek. 28 no.7:443-445 S '63.

I. Gyn.-por. klin. UDL v Praze, prednosta doc. dr. A. Cernoch,
II gyn.-por. klin. fak. detskeho lekarstvi KU v Praze, prednosta
prof. dr. R. Peter, DrSc. Statni populacni komise v Praze,
predseda dr. Z. Fajfr II gyn.-por. klin. fak. vseob. lek. KU
v Praze, prednosta prof. dr. J. Lukas, DrSc. Ustav pro peci o
matku a dite v Praze, reditel doc. dr. M. Vojta.
(CONTRACEPTION) (CONTRACEPTIVES, ORAL)

SNAID, V.; BUDINSKA, E.; CERNOCH, A.; FINKOVA, A.; GAZAREK, F.; POKORNY, J.;
RAFFAJ, K.

Diagnosis and surgical treatment of insufficiency of the cervix
uteri in pregnancy. Cesk. gynek. 29 no.4:254-258 My'64

CERNOCH, A.

Symposium on the problems of abortion and contraception. Cesk.
gynek. 29 no.8:593-597 O '64.

STANICEK, J.; CERNOCH, A.; ZAVREL, I.

Principles of surgical treatment of ovarian cancer combined with radiogold application. Neoplasma (Bratisl.) 11 no.3: 307-312 '64

1. I. Klinik für Geburtshilfe u. Frauenheilkunde der med. Fakultät UJEP [University J.E.Purkyne], Brno; Klinik für Geburtshilfe u. Frauenheilkunde UDL, Prag; I. chir.Klinik der med. Fakultät UJEP [University J.E.Purkyne], Brno, Tschechoslowakei.

SMAHEL, O., (Praha-Krc, Budejovicka 800); CERNOCH, A.; SORM, F.; KÖNIG, J.;
VALENTA, O.; SVEHLA, C.; SVORC, J.; BLAHA, V.; UHER, V.;
GERBEROVA, J.

An attempt to treat chorionepithelioma with 6-azauridin. Cas. lek.
Cesk. 104 no.4:1085-1087 8 0 '65.

1. Vyzkumny ustav experimentalni terapie a interni katedra Ustavu
pro doskolovani lekaru v Praze (reditel prof. dr. O. Smahel, DrSc.),
Gynekol.-porodnicka klinika Ustavu pro doskolovani lekaru v Praze
(prednosta doc. dr. A. Cernoch) a Ustav organicke chemie a biochemie
Ceskoslovenske akademie ved (reditel akademik F. Sorm).

CERNOCH, F.

Rutin. Lek. listy 5 no.17:495-497 1 Sept. 1950. (CLML 20:1)

1. Of the Second Internal Clinic, Masaryk University in Brno
(Head--Prof. Jiri Polcak, M. D.).

CERNOCH, F.

Infantile paralysis. Lek. listy, Brno 7 no.9:231-234 1 May 1952.
(CLML 22:2)

1. Of the Second Internal Clinic (Head--Prof. J. Polcak, M. D.)
of Masaryk University, Brno.

CERNOCH, Frantisek, [prim.MUDR], (Vyskov, Puskinova,12)

Interesting finds of plants in Slovakia during the past years.
Biologia 15 no.11:810-819 '60. (EEAI 10:5)

(CZECHOSLOVAKIA--BOTANY)

CZECHOSLOVAKIA

FRANTIŠEK ČERNÝCH [Affiliation not given] Vyskov.

"Some New Original Species of Czechoslovak Flora "

Bratislava, Biologia, Vol 18, No 2, 1963; pp 121-125.

Abstract [German summary modified]: Description of 4 new species discovered by author in 1961 in the Nizke Poloniny hills in Eastern Slovakia: *Agrimonia pilosa* Ledeb., *Cornus australis* C.A. Meyer, *Lapsana grandiflora* H.B. and *Scorzoneria rosea* W.K.; the third named has not been known previously to grow in this part of Europe. Drawings of the 4 plants; 7 references: 3 Soviet, 2 Czech, Bulgarian, German.

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CERNOCH, I.

PHASE I BOOK EXPLOITATION

CZECH/5120

Meteorologie pro sportovní letce (Meteorology for Sports Flyers) Prague, Naše vojsko, 1960. 241 p. 4,000 copies printed. (Series: Kniznice svazarmy, sv. 5)

Ed.: Karel Zelený; Assistant Editors: For Ch. 2: Mojmír Prokop, Doctor; Ch. 3: Theoretical pt.) Mojmír Prokop, Doctor, and Ivan Černoch, Chs.: 4, 6, and 7: Oldřich Kostka, Doctor; Chs.: 5 and 15: Ladislav Háza, Doctor; Chs.: 8 and 9: Jaroslav Kopáček, Doctor; Ch.: 10: Milan Koldovský and Jiří Horak; Chs.: 11-14: Jiří Förichtgott, Doctor; Resp. Ed.: Jiří Muk.

PURPOSE: This book is intended for sports plane and glider pilots.

COVERAGE: The book, composed to meet the needs of the aeroclubs of Svaz pro spolupráci s armádou (Union for Cooperation With the Army), discusses the principal types of weather phenomena likely to be encountered in flight. The measurement of meteorological elements is described. Meteorological phenomena of particular interest to glider pilots, viz., convection, turbulence, mountain currents, etc., are treated in some detail. Synoptic maps and weather reports are briefly described. Review questions accompany each chapter. No personalities are mentioned. There are 42 references: 7 Soviet, 21 English, 8 Czech, 4 German, and 2 Polish.

Card ~~1/12~~

PODZIMEK, Josef, dr.; CERNOCH, Ivan

Measurement of the concentration of giant condensation sulfate nuclei in the lower atmospheric layers. Geofys sbornik 9:475-493 '61.

1. Meteorological Laboratory, Czechoslovak Academy of Sciences, Hradec Kralove.

RUFNI, Z.; GERMICH, J.; DADO, B.

Electronic thermometer for temperature measurement by aircraft.
Meteor zpravy 17 no.4:121-123 Ag'64.

1. Institute of Atmospheric Physics, Czechoslovak Academy of
Sciences (for Rufer and Gernich); 2. Faculty of Electrical Engi-
neering, Czech Higher School of Technology, Prague (for Dado).

CERVENKA, Vl.; CERNOCH, Jan, inz.; TRAVNIK JUN.

Information on woodworking. Drevo 18 no.6:236-237 Ja '63.

1. VVUD, pracoviste Breznice (for Cervenka).
2. Vysoka skola lesnicka a drevarska, Zvolen (for Travnik).

GERNOCH, Jan, inz.

Ceylon, its forestry and wood economy. Drevno 19 no.4:144-147
in 1947

3. Sbornici podniků dřevářského průmyslu, Praha.

SEBRNICH, Jan, 1976.

Wooden floorings in international standardization. Normalizace
12 no. 2022-45 F 61

1. Sčítání podniky dřevárského průmyslu v Česku.

UNCLASSIFIED, Jan, 1978.

Investigated with American Lumber Manufacturers Association
on wooden floors. From 1974. 01/11/78. 1/11/78.

CERMOCH, Jan, inz.

Exotic woods in flooring manufacture abroad. Drevo 19 no.9:345-346
S '64.

GERNOCH, Jan, inz.

Wooden floors without gaps. Drevo 20 no.3:106 Mr '65.

1. Association of Wood Industry Enterprises.

CEJCHOVA J. Neurologická Klinika Masarykovy University v Brně. Non-tumorous cerebral edema, associated with papilloedema Nervous disorders of non-tumorous origin accompanied by papilloedema Lékařské listy, Brno 1979, 7/13

Fifteen cases of papilloedema of non-tumorous origin. Five patients had arterial hypertension; the post-mortem revealed cerebral haemorrhage. One patient was an alcoholic with abortive delirium tremens and epileptic seizures. Two cases were caused by a head injury. One case was in encephalitis, one in exencephaly, one in oligophrenia with secondary epilepsy. Four cases were of syphilitic origin.

Memor - Prague (VIII, 12)

SC: Neurology & Psychiatry Section VIII Vol 3 No 7-12

CERNOCH, Jiri

Lumbosciatic syndrome in miners. Cesk. neur. 23 no.1/2:119-122
Ja '60.

1. Nervove oddeleni MUNZ-Ostrava, prednosta dr. Jiri Cernoch.
(SCIATICA)
(MINING)

CERNOCH, Karel

Chemicalization and modernization in the leather industry. Tech
praca 15 no.3:181-185 Mr '63.

1. Reditel, Vyrobné hospodarska jednotka Svit, Gottwaldov.

CZECHOSLOVAKIA

CERNOCH, M.

Institute of Chemistry, Medical Faculty, Palacky Univ., Olomouc

Prague, Collection of Czechoslovak Chemical Communications, No 2, Feb
1966, pp 782-87

"Notes on the iodometric determination of reduced glutathione by the
Binet and Weller method."

CERNOCH, M.

The influence of colchicine and its derivatives on the leucocyte count of rats. J. Malinský, M. Cernoch, and K. Třanavský. *Věstník Královské společnosti nauk. Třída Mat.-Přrod.* 1951, No. 11, 9 pp. (French summary).— The following substances were given in the following doses: *N*-formyldeacetyl colchicine (I) 3 mg./kg.; colchicine 5 mg./kg.; colchicine amide 30 mg./kg.; substance F (chem. structure is unknown but probably does not have an amino group in the B ring of acetylcolchicine) 40 mg./kg. Colchicine amide differs from colchicine in ring C where it has an amino group instead of the methoxy group. After giving these substances there is obtained first a leucopenia which is partly due to repetition of blood sampling. Later one obtains leucocytosis. Substance F gives a greater leucocytosis than the more toxic colchicine amide. The degree of leucocytosis, therefore, falls according to the medication given in the following order: I, colchicine, substance F, colchicine amide. Otto E. Lobstein

CERNICH, M.

CA

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Substances of *Colchicum autumnale* and their derivatives.
-XXI. Isolation of substances from the corms. F. Santavy, M. Cernoch, J. Malinsky, B. Lang, and A. Zajickova (Univ. Palacky, Olomouc, Czech.). *Ann. pharm. franc.* 9, 30 (1951); cf. C.A. 45, 4343a, 4888a.—The previous publications are reviewed. Corms of *Colchicum autumnale* were cut, dried at 40 to 50°, ground, and extd. with MeOH. The residue of evapn. *in vacuo* was dissolved in H₂O and extd. with Et₂O followed by CHCl₃. The washed Et₂O fraction was fractionated by chromatography on Al₂O₃ from C₁₈H₁₆ petr. ether, and eluted with the same solvent, CCl₄, Et₂O, CHCl₃ and CHCl₃-MeOH. The Et₂O eluate gave a cryst. substance m. 134-6°, of $[\alpha]_D^{25} -30.32 \pm 2^\circ$ (0.111 g. in 10 cc. CHCl₃), giving the Liebermann-Burchard reaction. The CHCl₃ ext. gives by chromatographic method (1) an eluate with Et₂O-CHCl₃, m. 187-9° (Substance G) $[\alpha]_D^{25} -147.1 \pm 4^\circ$ (c 0.517 in CHCl₃), obtained also from *C. autumnale*; (2) an eluate with CHCl₃ of colchicine, m. 155-7°, $[\alpha]_D^{25} -123.5 \pm 2^\circ$ (c 0.772 in CHCl₃). The aq. soln. contained sucrose. Similar results were obtained with other species of *Colchicum*. The bulbs of *Hemerocallis fulva* did not give analogous substances. A. B. Meyer

1951

SANTAVY, F.; CERNOCH, M.; MALINSKY, J.; LANG, B.; ZAJICKOVA, A.

Isolation of substances from bulbs of various species of the
genus Colchicum. Biol.listy 31 Suppl:75-84 2 Jan 1951. (CML 20:9)

1. Of the Institute of Biology of the Medical Faculty of Palacky
University, Olomouc.

CA CERNOCH, M.

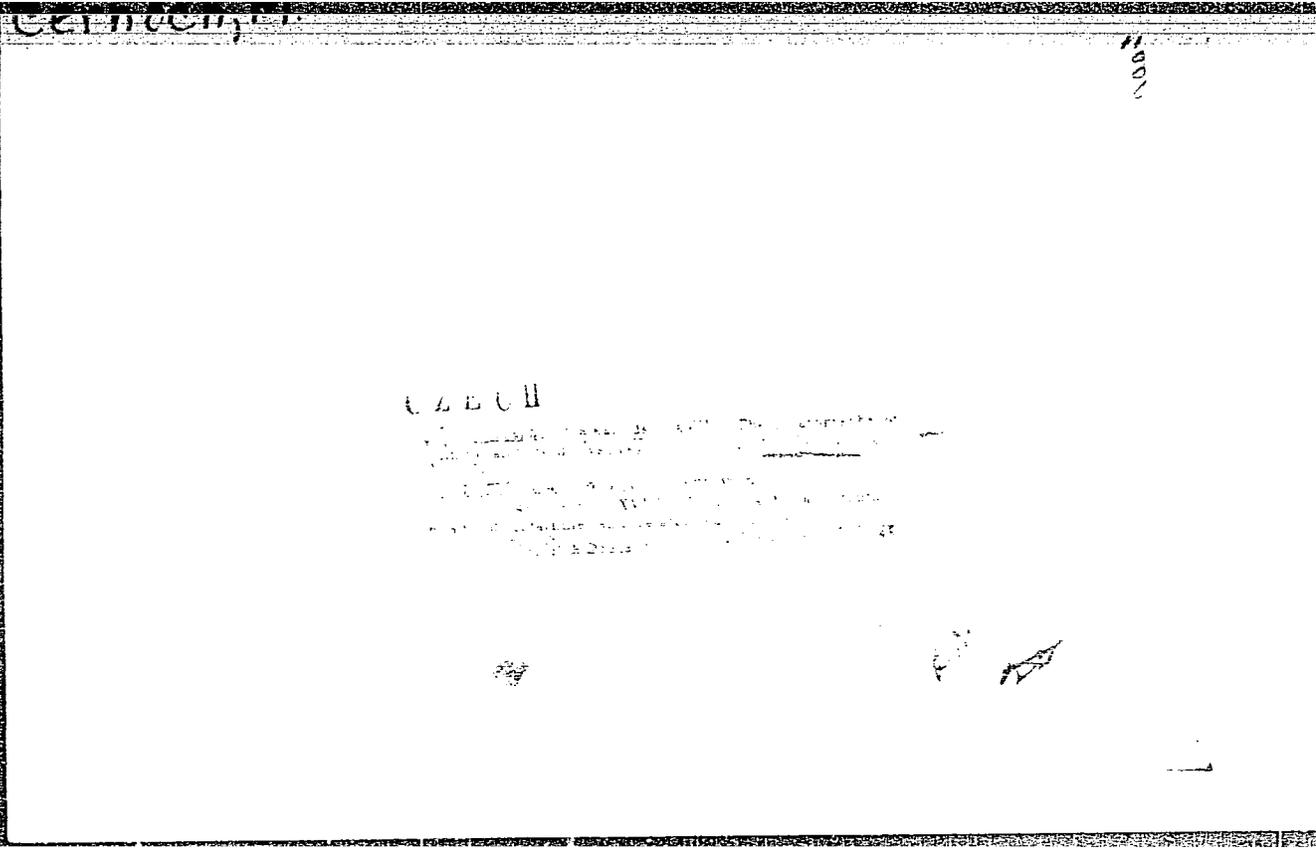
*Pharmaceuticals
Perfumes, 17*

Polarography of alkaloids. XV. Polarography of morphine and some of its derivatives. Frantisek Santavy and Miroslav Cernoch (Palacky Univ., Olomouc, Czech.). *Chim. Ind. (Milan)* 46, 81-3(1951); cf. C.A. 46, 4172b. - Baineine, metathebaine, hydroxythebaine, codeine, pseudocodeine, and hydroxycodine form polarographic waves; morphine, codeine, pseudocodeine, and thebaine are not reduced. Contrary to expectation, dihydromorphine, dihydrocodeine, and dihydrohydroxycodine form waves which are attributed to reductive splitting of the O bridge. The last 3 ketones were estd. in pharmaceuticals at pH 8.8 in the Britton-Robinson buffer. M. Hudlický

CERNOCH, M.; STEPAN, Z.; VICHA, J.

Effect of chloroform narcosis upon mitosis in rat liver. Chekh.
biol. 2 no.2:102-103 Ap '53. (MLRA 7:2)

1. Institut meditsinskoy khimii universiteta Palatskogo, Olomouts.
(Chloroform--Physiological effect) (Karyokinesis)



CERNOCH, M.

Chemical Abst.
Vol. 48
Apr. 10, 1954
Electrochemistry

④ 9
Polarography of the Ionones. M. Cernoch, J. Dokoupil,
and B. Chutný (Palacký Univ., Olomouc, Czech). *Chem.*
Listy 47, 269-71 (1953).—The polarographic behavior of α -
ionone, β -ionone, and 4-(2,6,6-trimethyl-1-cyclohexenyl)-2-
methyl-2-butene-1-al ("aldehyde C₁₁") (I) in buffer solns.
from pH 2.5 to 12.30 was studied. It was confirmed that I was
an α,β -unsatd. aldehyde. The pH dependence of the half
wave potentials and suitable pH ranges for the detn. of these
comps. are given. B. Brda

CERNOCH, M.

Chemical Abst.
Vol. 48
Apr. 10, 1954
Electrochemistry

Electrochemistry of alkaloids. XVII. Contribution to the polarography of quinine and its derivatives. J. Bartek, M. Cernoch, and F. Santavy (Palacký Univ., Olomouc, Czech). Chem. Listy 47, 401-3 (1953); cf. C.A. 48, 11682c.
—In acid media, quinone is reduced in a 2-electron step, but in neutral and alk. media, a 4-electron change is noted. Quinotoxine gives a single 2-electron wave over the full pH range. Quinotoxol behaves like quinone. XVIII. Polarography and tautomerism of cotarnine and related substances. Emil Coufalik and František Santavý. Ibid. 1909-10.
—In acidic medium, hydrastinine, cotarnine, berberine, and related substances were reduced at the quaternary double bond. In alk. medium, in addn. to the wave corresponding to the reduction of quaternary double bond, a wave corresponding to the reduction of the open, aldehydic form was found. The carbinol form (pseudobase) could be supposed to exist only in alc. KOH soln. or with large excess of alkali; it was always accompanied with the reducible aldehydic form. The ultraviolet spectra described for berberine and cotarnine in alk. medium corresponded not only to the carbinol form but also to the second tautomeric form. XIX. Polarography of chelerythrine and sanguinarine. Josef Bartek and František Santavý. Ibid. 1617-20.—Chelerythrine and sanguinarine gave in acid medium 2 one-electron waves; in neutral medium 1 two-electron wave. This wave corresponded to reduction at more neg. potentials than the potentials of the waves in acid medium. M. Hudlický

CERNICH, M.

(6)

✓ Cadmium intoxication. VI. Mačák, M. Černoch, J. Bartek, D. Wiedermann, and F. Santavý. *Likalské Listy* 9, 27-30(1954).—The authors believe that in intoxications of this type (and possibly other heavy metals) the body does not suffer any damage through the coupling of heavy metals with SH groups of glutathione. The heavy metals are probably combined with other groups in the human body by means of more labile coupling and therefore it is possible to carry out the detoxication in a rather simple way, i.e. by means of cysteine or British antilewisite.

O. E. Lobstein

CERNICH, E.; SMILAVY, F.; BARISEK, J.

"Polarography of Alkaloids. XVII. Contribution to the Polarography of Quinine and its Derivatives." p. 605, (COLLECTION OF CZECHOSLOVAK CHEMICAL CONTRIBUTIONS. SERIEMIK CNEKHCOSLOVATSKIKH KHEMICHESKIKH NAUOI, Vol. 19, No. 3, June 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (MEAL, EC, Vol. 4 No. 5, May 1955, Uncl.

CERNOCH-M.

Substances in meadow saffron and their derivatives. Biological activity of colchicine derivatives in relation to their constitution. M. Cernoch, J. Malinský, O. Telupilora, and F. Santavy (Palacky Univ., Olomouc, Czech.). *Arch. intern. pharmacodynamie* 99, 141-62(1954)(in German); cf. *C.A.* 45, 4343a.—Colchicine and 88 derivs. were examd. for acute toxicity and in many instances for their ability to produce mitotic arrest in metaphase in regenerating rat liver (stathmokinetic effect). The toxicity-stathmokinetic index varied from 1 to 10. The relation of structure to toxicity was discussed in detail. Richard F. Riley

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CERNOCH, MIROSLAV

Metabolism of glutathione and related substances. Compounds containing free and bound sulfhydryl groups in animal tissues. Zena Hoščáková, Miroslav Cernoch, and František Santavý (Palackého Univerzita Olomouc, Czech.). *Chem. Listy* 49, 834-42 (1955); cf. *C.A.* 48, 7783a. — Animal tissue homogenates contain low-mol. compds. contg. SH groups as proved by polarography. The height of the polarographic waves is proportional in a linear fashion to the concn. of the homogenates dild. with physiol. soln. The observed waves correspond to the reduced glutathione or its fission products. No free SH groups of the tissue proteins were found polarographically. Effect of time upon the height of the polarographic waves was studied. On the basis of polarographic behavior, the presence of enzymes cleaving, reducing, or oxidizing the glutathione is postulated. The plasma proteins were found to be able to bind the added cysteine or reduced glutathione. M. Hudlický

2

CERNOCH, MIROSLAV

Prima oxydace cukru. (Pentosovy cyklus). (Direct Oxidation of Sugar; Pentose Cycle. 1st ed. bibl.) Prague, CSAV, 1957. 35 p. Vol. 9 of the series Prace Cs. akademie ved. Sekce chemicka. - Mala kniznice Chmickych listu (Proceedings of the Czechoslovak Academy of Sciences, Department of Chemistry. Small Series of Chemicke listy)

Report on the present state of knowledge in one of the very important field of the sugar biochemistry, the so called direct oxidation.

Bibliograficky katalog, CSR, Ceske knihy, No. 37. 22 Oct 57. p. 807.

CEBNOCH, M.

"Direct oxidation of sugars (the pentose cycle)."

p. 1211 (Chemicke Listy, Vol. 51, no. 6, June 1957, Praha, Czechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No.6 June 1958.

CHERNOMH, M. [Cernoch, M.], LANG, B., SHANTAVY, F. [Šantavý, F.]

Quantitative determination of substances with mercapto groups in various parts of the central nervous system [with summary in English].
Biokhimiia 23 no.5:751-754 S-O '58 (MIRA 11:11)

1. Kafedra khimii i nevrologicheskaya klinika meditsinskogo fakul'teta
Universiteta v Olomoutse, Chekhoslovakiya.
(CENTRAL NERVOUS SYSTEM, metab.
sulfhydryl cpds (Rus))
(SULFHYDRYL COMPOUNDS, metab.
(CNS Rus))

Cernoch, Miroslav
CERNOCH, Miroslav

Polarography of glutathione in physiological media; metabolism of glutathione & related compounds. III. Cas. lek. cesk. 97 no.6-7:200-204 14 Feb 58.

1. Chemicky ustav lekarske fakulty Palackeho university v Olomouci, prednosta prof. Fr. Santavy.

(GLUTATHIONE, metab.

glutathione & related cpds. in physiol. media, polarography (Cz))

CERNOCH, M.; NEMECKOVA, A.

Effect of ethylmaleimide on the level of sulfhydryl compounds
in certain organs in rats in acute poisoning. Cas.lek.cesk. 99
no.45:1419-1421 4 N '60.

1. Chemicky ustav lekarske fakulty Palackeho university v Olomouci,
prednosta prof. dr. F.Santavy.
(MALEATES toxicol)
(SULFHYDRYL COMPOUNDS metab)

KUBICEK, R.; DOLENEK, A.; CERNOCH, M.

The theory of adaptation. An attempt at explanation. Cesk. ofth.
17 no.6:401-409 S '61.

1. Ustav lekarske chemie PU v Olomouci, prednosta prof. MUDr. F. Santavy,
Dr. Sc. Očni klinika lekarske fakulty PU v Olomouci, prednosta prof.
MUDr. V. Vejdovsky, Dr. Sc.

(ADAPTATION OCULAR)

RUZICKA, J.; CERNOCH, M.

Glutathione in the blood of psoriatic patients. Cesk. dermat.
40 no.6:398-401 D '65.

1. Dermato-venerologicka klinika (prednosta prof. dr. G.
Lejhanec, DrSc.) a Chemicky ustav (prednosta prof. dr. P.
Santavy, DrSc.) Lekarske fakulty Palackeho University v
Olomouci.

CZECHOSLOVAKIA UDC 617.55-089.85:616-089.5)-092.22(616.831)-008.9
(:547.964.4)-092.2
CERNOCH, M.; PREININGER, V.; Chemical Institute, Medical Faculty,
Palacky University (Chemicky Ustav Lekarske Fakulty PU), Olomouc,
Director (Reditel) Prof Dr F. SANTAVY.

"The Influence of Anesthesia and Laparotomy on the Glutathione
Content of the Liver and Brain in Rat."

Prague, Casopis Lekarů Ceských, Vol 105, No 33, 19 Aug 66, pp
877 - 881

Abstract [Authors' English summary modified]: Reduced gluta-
thione content in the liver and brain of rats resulting from
anesthesia with ether and chloroform, and laparotomy is described.
Anesthesia causes the reduction in the glutathione content for
a few hours following it; laparotomy has a long-term reducing
effect lasting for 2 days. Changes in the liver are greater
than those in the brain. 3 Figures, 3 Tables, 12 Western, 3 Czech,
6 Russian, 1 Japanese, 1 Indian, 1 Hungarian reference. (Manus-
cript received Mar 66).

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- 52 -

CERNIK, Oldrich; GASEK, inz.; STRIBRNY, A.; NOVOTNY, V.; ROUCKA, inz.;
JERIE, dr.; BENDA, O.; HINKE, dr.; HOMOLA, F., inz.; SPETL, doc.,
inz., dr.; ZAK, inz.; ZEMAN, inz.; PAVLICEK, Z., inz.; VESELY, B.,
inz.; KUCERA, Fl., inz.; VALD, V.

Main trends and goals in increasing the utilization of fuels and
energy in the national economy in long range planning up to 1970.
Energetika Cz 12 no.12:Suppl.:Energetika 11 no.12:1-14 '62.

1. Ministr paliv a energetiky (for Cernik).

CERNOCH, O.; KOPECKY, M.

Certain observations on examination of young parachutists. Voj. zdrav.
listy 20 no.3:108-111 May-June 1951. (CINL 20:11)

CERNOCH, O.; KOPECKY, M.

Induction barograph for explosive decompression. Voj. zdrav. listy
20 no.3:125-128 May-June 1951. (CINL 20:11)

PAVLOK, Jan, MUDr.; CAPEK, Dominik, Prof., MUDr.; CERNOCH, Otakar, MUDr.;
STVERAK, Jiri, MUDr.; MALCIK, Vladimir, MUDr.; MIKULA, Jiri, MUDr.;
CAMSKY, Jiri, MUDr.

Special hygiene of aviators. Voj. zdrav. knihovna no.22:1-175
1954.

(MEDICINE AVIATION,
prev. & hyg. aspects (Cz))

CERNICH, U.

"How do pilots become acquainted with ejection seats?"

p.22 (Kridla Vlasti, No. 6, March 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 2, September 1958.

CERNOCH, S.

¹⁵
✓ The production of caustic magnesite from domestic raw materials: S. Černoč, M. Miček, and B. Štark (Vysoká škola tech. Kóšice, Czech.). Chem. zvesti 12, 587-88 (1958) (German summary).—The production from Vavro (in Slovakia) magnesite in fluidized roasting ovens is described. Jan Mička

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J. J.

CERNOCH, S., inz. (Praha)

Causes of the angularity of parts processed on centerless grinding machines. Strojirenstvi 12 no.7:517-519 JI '62.

CERNOCH, S.; TOMCO, S.; SPAKOVSKY, E.

New trends in the pyrotechnical development of building materials, including perlite. Epitoanyag 14 no.7:277-279
Jl '62.

CERNOCH, S.

"Charging Blast Furnace by Means of Conveyer Belts." p. 628, *Brno*, Vol. 7, no. 12, Dec. 1952.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

CERNOCH, S.

Automatic Charging of Blast-Furnaces. S. Cernoch. (Hut-
nické Listy. 1964, 8, Dec., Supplement 8-13). (In Czech).
The Muckes type of controlled belt-charging is described,
and details of equipment of this kind, but considerably im-
proved by the author, are given.—P. F.

9/11

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✓ The Design of Thin-Walled Blast-Furnaces. S. Chernov
(Hutnicki Listk. 1956, 10, 49, 513-521)